

Patent Application of

**Bud Nilsson
PO Box 99101
Stockton, CA 95209**

For

Title: AUTOMATIC BRAKE SYSTEM MODULATOR

CLAIMS

WHAT I CLAIM AS MY INVENTION IS:

1. A devise comprising of two rigid members pivotally joint that couples the driving elements cable and casings controlling two independently actuated brake system at an intermediate point between control lever and brake caliper.
2. Applying tension on primary control cable to activate said primary brake means compression of said primary casings means closing gap between primary ends of said pivotal members means applying primary brake.
3. Applying tension on secondary control cable to activate said secondary brake means compression of said secondary casings means closing said gap between secondary ends of said pivotal members means applying secondary brake.
4. The pivoting action of said members means closing said gap at one end of said members means opening said gap of opposite said members end means transfer of tension from one casing to opposite casing. Where by tension is induced to both primary and secondary control cables regardless of which cable is tensioned.
5. The offset fulcrum of said pivoting members will by means of leverage transfer more tension to said primary control cable located closest to fulcrum points means less tension to said secondary control cable regardless of which or both control cables are tensioned.
6. When said primary brake system operates rear wheel brake and said secondary brake system operated front wheel brake means said rear wheel brake is applied first with more friction to rear wheel. Said front wheel brake is applied secondary with less friction to front wheel regardless of which or both brake systems are activated.
7. This automatically modulated sequence of applying brakes on a two wheeled vehicle, promotes balanced braking action and increased traction between wheels and road surfaces means reducing the risk of accidents.